

SUMMARY (FIGURE 1) ABSTRACT

A device for fluorescence correlation spectroscopy, especially for multicolor fluorescence correlation spectroscopy, in which light rays are focused in a transparent medium ~~which is~~ located in a sample vessel (2). Such device includes ~~comprises~~ a vessel holder (1) in which at least two sample vessels (2) with a focussing reflecting bottom (6) are provided, and a common cover (3) for both sample vessels (2) which is at least partly light-transmitting.— In a ~~suitable method~~ preferred embodiment, a plunger (4) with a light window facing the bottom (6) is inserted into the sample vessel (2), and the quantity of transparent medium is selected so that the light window of the plunger (4) is immersed in or wetted by the medium.